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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/543,068	07/18/2006	Cristina Rinaldi	LSP-1013US	1201
24923	7590	03/18/2009		
PAUL S MADAN MADAN, MOSSMAN & SRIRAM, PC 2603 AUGUSTA DRIVE, SUITE 700 HOUSTON, TX 77057-5662			EXAMINER EGWTM, KELECHI CHIDI	
			ART UNIT 1796	PAPER NUMBER
			MAIL DATE 03/18/2009	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

10/543,068

**Applicant(s)**

RINALDI ET AL.

**Examiner**

Dr. Kelechi C. Egwim

**Art Unit**

1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 July 2005.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.  
4a) Of the above claim(s) 8-10 and 15 is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-7 and 11-14 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☒ Claim(s) 1-15 are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO-856)  
Paper No(s)/Mail Date 07/22/2005 and 09/13/2006  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_  
5) ☐ Notice of Inventor's Patent Application  
6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Election/Restrictions*

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-7 and 11-14, drawn to a hydroxypropyl guar.

Group II, claim(s) 8-10 and 15, drawn to an aqueous polyvinyl ester emulsion comprising the hydroxypropyl guar.

2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Claim 1, at least, is anticipated by or obvious over US 4,524,003. Consequently, the special technical feature which links the claims, the hydroxypropyl guar, does not provide a contribution to the prior art, so unity of invention is lacking.

3. During a telephone conversation with Gene L. Tyler on 3/6/09, a provisional election was made with traverse to prosecute the invention of Group I, claims 1-7 and 11-14. Affirmation of this election must be made by applicant in replying to this Office action. Claims 8-10 and 15 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

***Claim Objections***

5. Claims 2-7 and 12-14 are objected to because of the following informalities: In these claims, the references to each of their parent claims is followed by a period after the claim number. This is improper. Each of the periods within these claims should be deleted. Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 1-7 and 11-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

8. Claim 1, from which the balance of the claims depend, recites a viscosity range for the hydroxypropylguar, but does not include sufficient viscometer conditions , i.e.,

temperature, associated with the recited viscosities. Without the viscometer temperature, the recited viscosity range has no meaning and is therefore indefinite. It is unclear at what temperature such measurements must be taken to meet applicant's claims.

9. In addition, each of claims 5, 6, 12 and 13, from at least one of which claims 7 or 14 depend, recite wherein the crosslinked hydroxypropylguar is obtained by reacting the hydroxypropylguar with amounts of glyoxal that are outside the ranges of glyoxal claimed to be used in claim 3, from which each of these claims depend. These claims lack sufficient antecedent basis for these limitations in these claim.

***Claim Rejections - 35 USC § 102***

10. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

11. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Borchardt (USPN 4,524,003).

In col. 3, lines 1-18 and the bottoms sections of table 1, Borchardt teaches a hydroxypropylguar having a degree of molar substitution of from 1 to about 3, and viscosities including 3540 mPa\*s.

Thus, the requirements for rejection are met.

12. Claims 1-7 and 11-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Maier (USPN 4,532,314) or Lauderdale et al. (USPN 5,104,436)

In col. 4, lines 5-17 and col. 5, lines 40-45, Maier teaches a hydroxypropylguar having a degree of molar substitution of from 1 to 6, and viscosities including about 1000 mPa\*s, wherein the hydroxypropylguar are glyoxalated with the claimed relative percentages of glyoxal.

In col. 2, lines 58-61 and the examples, Lauderdale et al. teach a glyoxalated hydroxypropylguar having a degree of molar substitution including 1, wherein the hydroxypropylguar are glyoxalated with the claimed relative percentages of glyoxal.

Thus, the requirements for rejection are met.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Kelechi C. Egwim whose telephone number is (571) 272-1099. The examiner can normally be reached on M-T (7:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dr. Kelechi C. Ekwim/  
Primary Examiner, Art Unit 1796

KCE